

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) A method ~~for~~ of interworking between ~~different video-communication~~ dissimilar multimedia terminals through a Video Interactive Gateway (VIG) unit in a video communication system, the video communication system comprising at least one Video Interactive Gateway unit, at least one low bit-rate multimedia terminal, and at least one packet based multimedia terminal, the method comprising the steps of

- the low bit-rate multimedia terminal sending a first Open Logical Channel (OLC) message to the Video Interactive Gateway unit, the first ~~Open Logical Channel (OLC)~~ OLC message including a forward channel description and a Reverse channel description, and

- the Video Interactive Gateway unit sending and receiving messages to set up video communication between the ~~video-communication~~ multimedia terminals, wherein the step of setting up video communication between the ~~video-communication~~ multimedia terminals, includes:

- the Video Interactive Gateway receiving a second OLC message from the packet based multimedia terminal, and

- the Video Interactive Gateway ~~initiates~~ initiating a modified OLC message by using the forward channel description received from the packet based multimedia terminal as forward channel description towards the low bit-rate multimedia terminal, and by using the forward channel description received from the low bit-rate multimedia terminal as the reverse channel description towards the low bit-rate multimedia terminal.

2. (Currently Amended) [[An]] The interworking method according to claim 1, further comprising the step of the Video Interactive Gateway unit sending an ~~Open Logical Channel (OLC)~~ OLC rejection message to the low bit-rate multimedia terminal.

3. (Currently Amended) [[An]] The interworking method according to claim 1, further comprising, when setting up video communication between the terminals,

- the Video Interactive Gateway receiving an OLC ack message from the low bit-rate multimedia terminal and initiating the OLC ack message towards the packet based multimedia terminal.

4. (Currently Amended) [[An]] The interworking method according to claim 1 further comprising the Video Interactive Gateway receiving the OLC ack message from the packet based multimedia terminal and sending an OLC conf message to the low bit-rate multimedia terminal when both the OLC ack message from the low bit-rate multimedia terminal and the OLC ack message from the packet based multimedia terminal have been received.

5. (Currently Amended) [[An]] The interworking method according to claim 1 wherein upon receipt of the modified OLC message, the Video Interactive Gateway initiating the modified OLC message to the low bit-rate multimedia terminal by leaving forward channel description empty.

6. (Canceled)

7. (Currently Amended) [[An]] The interworking method according to claim 1, wherein the low bit-rate multimedia terminal is a H.324 terminal and that the packet based multimedia terminal is a H. 323 terminal or a SIP terminal.

8. (Canceled)

9. (Currently Amended) A method for interworking between different video communication terminals through a Video Interactive Gateway (VIG) in a video communication system, the video communication system comprising at least one Video Interactive Gateway unit, at least one low bit-rate multimedia terminal, and at least one packet based multimedia terminal, the method comprising the steps of

- the low bit-rate multimedia terminal sending a first Open Logical Channel (OLC) message to the Video Interactive Gateway unit, the first ~~Open Logical Channel (OLC)~~ OLC message including a forward channel description and a Reverse channel description, and

- the Video Interactive Gateway unit sending and receiving messages for setting up video communication between the different video communication terminals, comprising the steps of:

- starting a timer when the Video Interactive Gateway receives the first OLC message from the low bit-rate multimedia terminal,

- the Video Interactive Gateway receiving the second OLC message from the packet based multimedia terminal,

- the Video Interactive Gateway initiating a modified OLC message by using the forward channel description received from the packet based multimedia terminal as forward channel description towards the low bit-rate multimedia terminal, and by using the forward channel description received from the low bit-rate multimedia terminal as the reverse channel description towards the low bit-rate multimedia terminal, and

- the Video Interactive Gateway receiving an OLC ack message from the low bit-rate multimedia terminal, initiating an OLC ack message towards the packet based multimedia terminal, and further, initiating an OLC message towards the packet based multimedia terminal by using the forward channel description received from the low bit-rate multimedia terminal,

wherein in case the second OLC message has not been received from the packet based multimedia terminal when the timer expires, the Video Interactive

Gateway initiates the modified OLC message to the low bit-rate multimedia terminal by leaving the forward channel description empty, and

wherein in case the second OLC message is received from the packet based multimedia terminal later, the Video Interactive Gateway closes the already opened channel to the low bit-rate multimedia terminal and opens a new channel by using the proper forward channel description.

10. (Currently Amended) [[An]] The interworking method according to claim 9, wherein the method further comprises the step of

- the Video Interactive Gateway unit sending an ~~Open Logical Channel (OLC)~~ OLC rejection message to the low bit-rate multimedia terminal.

11. (Currently Amended) [[An]] The interworking method according to claim 9 wherein the Video Interactive Gateway sends an OLC conf message to H. 324 when the OLC ack message from the packet based multimedia terminal is received.

12-13. (Canceled)

14. (Currently Amended) [[An]] The interworking method according to ~~claim 13~~ claim 9, wherein the low bit-rate multimedia terminal is a H. 324 terminal and that the packet based multimedia terminal is a H. 323 terminal or a SIP terminal.

15. (Canceled)

16. (Currently Amended) A method for interworking between different video communication terminals through a Video Interactive Gateway (VIG) in a video communication system, the video communication system comprising at least one Video Interactive Gateway unit, at least one low bit-rate multimedia terminal, and at least one packet based multimedia terminal, the method comprising the steps of:

the low bit-rate multimedia terminal sending a first Open Logical Channel (OLC) message to the Video Interactive Gateway unit, the first ~~Open Logical Channel (OLC)~~

OLC message including a forward channel description and a Reverse channel description, and

- the Video Interactive Gateway unit sending and receiving messages for setting up video communication between the different video communication terminals,

- the Video Interactive Gateway receiving a second OLC message from the packet based multimedia terminal, and

- the Video Interactive Gateway initiating a modified OLC message by using the forward channel description received from the packet based multimedia terminal as forward and reverse channel description towards the low bit-rate multimedia terminal,

wherein the step of the Video Interactive Gateway sending and receiving messages further comprises:

the Video Interactive Gateway receiving an OLC ack message from the low bit-rate multimedia terminal and initiating the OLC ack message towards the packet based multimedia terminal by using the forward channel description received from the packet based multimedia terminal, the Video Interactive Gateway taking into account the request received from the low bit-rate multimedia terminal, and

the Video Interactive Gateway initiating a modified OLC message towards the packet based multimedia terminal by using the forward channel description received from the packet based multimedia terminal as reverse channel description towards the low bitrate multimedia terminal, the Video Interactive Gateway taking into account the request received from the low bitrate multimedia terminal.

17. (Currently Amended) [[An]] The interworking method according to claim 16, further comprising the step of

- the Video Interactive Gateway unit sending an Open Logical Channel (OLC) rejection message to the low bit-rate multimedia terminal

18. (Currently Amended) [[An]] The interworking method according to claim 16, further comprising the step of starting a timer when the Video Interactive Gateway receives the first OLC message first from the low bit-rate multimedia terminal.

19-20. (Canceled)

21. (Currently Amended) [[An]] The interworking method according to ~~claim 20~~ claim 16, further comprising the steps of:

- initiating the modified OLC message by using the forward channel description received from the packet based multimedia terminal as reverse channel description towards the low bit-rate multimedia terminal, the Video Interactive Gateway taking into account the capability description received from the low bit-rate multimedia terminal, and

- initiating OLC ack message towards the packet based multimedia terminal by using the forward channel description received from the packet based multimedia terminal, the Video Interactive Gateway taking into account the capability description received from the low bit-rate multimedia terminal.

22. (Currently Amended) [[An]] The interworking method according to claim 21, further comprising the Video Interactive Gateway receiving the OLC ack message from the packet based multimedia terminal and sending an OLC conf message to the low bit-rate multimedia terminal when both the OLC ack message from the low bit-rate multimedia terminal and the OLC ack message from the packet based multimedia terminal has been received.

23. (Currently Amended) [[An]] The interworking method according to claim 21, wherein if the second OLC message has not been received from the packet based multimedia terminal, when the timer expires, the Video Interactive Gateway initiating the modified OLC message to the packet based multimedia terminal, and as the packet based multimedia terminal acknowledges this, the Video Interactive Gateway initiating the modified OLC message to the low bit-rate multimedia terminal by leaving forward channel description empty.

24. (Currently Amended) [[An]] The interworking method according to claim 16, wherein the low bit-rate multi-media terminal is a H.324 terminal and that the packet based multimedia terminal is a SIP terminal or a H.323 terminal.

25-41. (Canceled)

42. (Currently Amended) A Video Interactive Gateway unit for interworking between ~~different-video-communication~~ dissimilar multimedia terminals in a video communication system, the video communication system comprising at least one Video Interactive Gateway unit, at least one low bit-rate multimedia terminal, and at least one packet based multimedia terminal, the Video Interactive Gateway unit comprising:

- means for receiving from the low bit-rate multimedia terminal a first Open Logical Channel(OLC) message to the Video Interactive Gateway unit, the first ~~Open Logical Channel (OLC)~~ OLC message including a forward channel description and a Reverse channel description, and

- means for sending and receiving messages to set up video communication between the ~~different-video-communication~~ dissimilar multimedia terminals;

- means for receiving a second OLC message from the packet based multimedia terminal, and

- means for initiating a modified OLC message by using the forward channel description received from the packet based multimedia terminal as forward channel description towards the low bit-rate multimedia terminal, and by using the forward channel description received from the low bit-rate multimedia terminal as the reverse channel description to- wards the low bit-rate multimedia terminal.

43. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 42, further comprising means for sending an Open Logical Channel (OLC) rejection message to the low bit-rate multimedia terminal.

44. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 42, further comprising:

- means for initiating the modified OLC message towards the packet based multimedia terminal by using the forward channel description received from the low bit-rate multimedia terminal;
- means for initiating the OLC ack message from the low bit-rate multimedia terminal; and
- means for initiating the OLC ack message towards the packet based multimedia terminal.

45. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 42, wherein the low bit-rate multimedia terminal is a H. 324 terminal and that the packet based multimedia terminal is a H. 323 terminal or a SIP terminal.

46. (Canceled)

47. (Currently Amended) A Video Interactive Gateway unit for interworking between different video communication terminals in a video communication system, the video communication system comprising at least one Video Interactive Gateway unit, at least one low bit-rate multimedia terminal, and at least one packet based multimedia terminal, the Video Interactive Gateway unit comprising

- means for ~~receiving~~ receiving from the low bit-rate multimedia terminal, a first Open Logical Channel (OLC) message to the Video Interactive Gateway unit, the first ~~Open Logical Channel (OLC)~~ OLC message including a forward channel description and a Reverse channel description,

means for sending and receiving messages to set up video communication between the video communication terminals,

means for starting a timer when the Video Interactive Gateway receives the first OLC message from the the low bit-rate multimedia terminal,

means for receiving the second OLC message from the packet based multimedia terminal,

means for initiating a modified OLC message by using the forward channel description received from the packet based multimedia terminal as forward channel description towards the low bit-rate multimedia terminal, and by using the forward channel description received from the low bit-rate multimedia terminal as the reverse channel description towards the low bit-rate multimedia terminal, and

means for receiving an OLC ack message from the low bit-rate multimedia terminal and initiating the OLC ack message towards the packet based multimedia terminal by using the forward channel description received from the low bit-rate multimedia terminal.

48. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 47, further comprising

means for sending an Open Logical Channel (OLC) rejection message to the low bit-rate multimedia terminal.

49. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 47, wherein the low bit-rate multimedia terminal is a H. 324 terminal and that the packet based multimedia terminal is a H. 323 terminal or a SIP terminal.

50. (Canceled)

51. (Currently Amended) A Video Interactive Gateway unit for interworking between ~~different video communication~~ dissimilar multimedia terminals in a video communication system, the video communication system comprising at least one Video Interactive Gateway unit, at least one low bit-rate multimedia terminal, and at least one packet based multimedia terminal, the Video Interactive Gateway comprising:

- means for receiving a first Open Logical Channel (OLC) message from the low bit-rate multimedia terminal, the first ~~Open Logical Channel (OLC)~~ OLC message including a forward channel description and a Reverse channel description, and
- means for sending and receiving messages in order to set up video communication between the ~~video communication~~ dissimilar multimedia terminals;

- means for receiving a second OLC message from the packet based multimedia terminal, and

- means for initiating a modified OLC message by using the forward channel description received from the packet based multimedia terminal as forward and reverse channel description towards the low bit-rate multimedia terminal.

52. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 51, wherein the Video Interactive Gateway unit sends an ~~Open Logical Channel (OLC)~~ OLC rejection message to the low bit-rate multimedia terminal.

53. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 51 further comprising means for starting a timer when the Video Interactive Gateway receives the first OLC message from the low bitrate multimedia terminal.

54. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 51, further comprising:

means for receiving the OLC ack message from the low bit-rate multimedia terminal and initiating the OLC ack message towards the packet based multimedia terminal, and initiating the modified OLC message towards the packet based multimedia terminal by using the forward channel description received from the packet based multimedia terminal.

55. (Currently Amended) [[A]] The Video Interactive Gateway unit according to claim 54, wherein the low bit-rate multimedia terminal is a H. 324 terminal and the packet based multimedia terminal is a H. 323 terminal or a SIP terminal.

56. (Canceled)